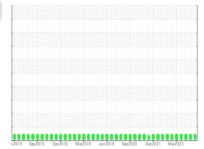


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

42 IN FURNACE 40

Component Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

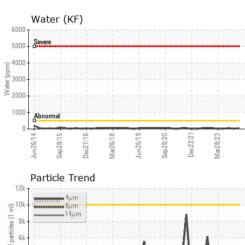
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

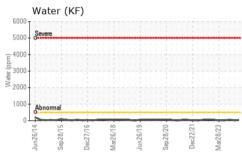
		n2014 Sep20	15 Dec2016 Mar2018	Jun2019 Sep2020 Dec2021	Mar2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST46355	ST43713	ST43881
Sample Date		Client Info		25 Mar 2024	20 Dec 2023	26 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	0	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	<1	<1	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	<1
Copper	ppm	ASTM D5185m	>20	3	1	2
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	25	3	0	<1
Calcium	ppm	ASTM D5185m	200	32	51	50
Phosphorus	ppm	ASTM D5185m	300	123	208	210
Zinc	ppm	ASTM D5185m	370	71	225	240
Sulfur	ppm	ASTM D5185m	2500	978	629	770
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		2	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.05	0.004	0.002	0.006
ppm Water	ppm	ASTM D6304	>500	46	25	60.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	296	3690	1059
Particles >6µm		ASTM D7647	>1300	106	701	197
Particles >14µm		ASTM D7647	>160	21	42	16
Particles >21µm		ASTM D7647	>40	7	9	5
Particles >38μm		ASTM D7647	>10	0	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	15/14/12	19/17/13	17/15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.20	0.35	0.36

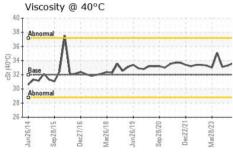


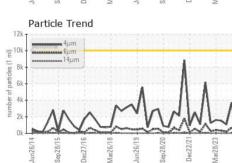
OIL ANALYSIS REPORT

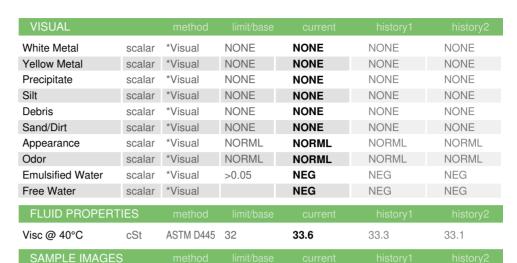


0k 8k -	6µ 14 _j						
6k + 4k +			_	1	0.	Λ	۸,
2k - 1/9Zun7	Sep.28/15	Dec27/16	Mar26/18	Jun26/19	Sep 28/20	Dec22/21	Mar28/23
	~	Ci	5	2	22	3	12

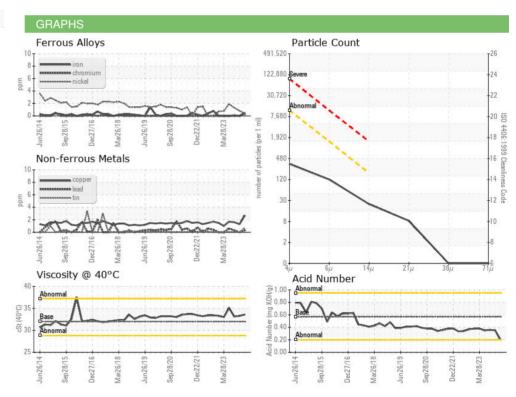








Color **Bottom**



: 03 Apr 2024

: 04 Apr 2024

: 05 Apr 2024 - Don Baldridge





Certificate 12367

Laboratory Sample No.

Lab Number : 06138050 Unique Number : 10962858

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ST46355 Received

Tested Diagnosed

Test Package : IND 2 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. ZAPP PRECISION STRIP INC.

266 SAMUEL BARNET BLVD. DARTMOUTH, MA US 02745

Contact: Greg Walton greg.walton@zapp.com

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (508)998-6310

Report Id: ZAPDAR [WUSCAR] 06138050 (Generated: 04/05/2024 19:23:40) Rev: 1

Contact/Location: Greg Walton - ZAPDAR